

ATTACHMENT - CLAIMS LISTING

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) An egg counter for counting eggs which are conveyed on an egg collection conveyer comprising

a first light emitting element array,

a second light emitting element array,

a light receiving element array ~~that is provided between said first and second~~
light emitting element arrays, and

a ~~control means~~ controller for processing the light reflected ~~on~~ from the
respective eggs and received by the light receiving element array,

said first and second light emitting element arrays and said light receiving
element array being arranged such that the light emitted from the each of the light
emitting elements ~~in the~~ of the first and second light emitting element arrays is reflected
~~on the~~ from the surface of the egg that is passing just under the light receiving element
array, and ~~then~~ the reflected light is then received by the light receiving element array,

said ~~the control means being intended to measure~~ controller measuring the light
intensity of the ~~reflected infrared light~~ reflected light, ~~detect~~ detecting the peak value of
the light intensity, and ~~count~~ counting the egg passing just under the light receiving
element array on the basis of the two peak values of the light intensities ~~intensity~~
respect to the intensities of the light emitted by the first and second ~~infrared-light~~
emitting element arrays.

2. (Original) The egg counter according to claim 1, wherein each of said first and second light emitting element arrays comprises a plurality of light emitting elements, respectively.
3. (Original) The egg counter according to claim 2, wherein each of said light emitting elements comprises an infrared light emitter.
4. (Original) The egg counter according to claim 1, wherein said first and second light emitting arrays and said light receiving element array are arranged to extend across a width of the egg collection conveyer.
5. (Original) The egg counter according to claim 1, wherein said first and second light emitting element arrays alternately and sequentially emits the light.
6. (Currently Amended) The egg counter according to claim 5, wherein said ~~control~~ means controller counts the egg when two peak values with respect to the reflected light emitted from the first and second light emitting element arrays are continuously detected.

7. (New) The egg counter according to claim 1, wherein

said light receiving element array is vertically positioned to face the surface of the egg collection conveyer that is passing just under the light receiving element array,

the first light emitting element array is inclined with respect to the surface of the egg collection conveyer so that the first light emitting element is directed toward an area through which the egg is passing under the light receiving element array, and

the second light emitting element array is inclined with respect to the surface of the egg collection conveyer so that the second light emitting element is directed toward said area through which the egg is passing under the light receiving element array.